



# OFFICIAL GAZETTE

## GOVERNMENT OF GOA

### EXTRAORDINARY

#### GOVERNMENT OF GOA

Department of Inland Waterways

Office of Captain of Ports

#### Corrigendum

1/87/80-IWT/COP

Read:- Notification No. 1/87/80-IWT/COP published on Series I No. 45 of Extraordinary Official Gazette dated 5-2-98.

1. In Appendix "C" appended to the above referred Notification the following shall be deleted:—

The inside cover is

The thickness of the face of valve is

The thickness of the body of valve is

The greatest opening for steam will be

That gives an area equal to one

The opening for exhaust when the crank is on the top centre is

That gives an area equal to ..... of the piston

The valve will cut off steam on the top stroke at

The valve will cut off steam on the down stroke

The candidate may omit this part if he chooses.

The parts fully dimensioned in ink, are

Date ..... This ..... day of ..... 19 .....

Applicant

2. In Appendix "D" following shall be deleted:—

(10) All dimensions should have lines and arrow heads to indicate distinctly the points between which the dimensions are given.

(11) The candidates should not write cross dimension upon centre lines, or upon longitudinal dimension lines. This is not an order but a recommendation.

(12) The candidate shall not be expected to design any thing but to sketch or draw something with which he is expected to be already familiar.

(13) Make sure that there will be sufficient room on the draw sheet to show all the necessary views. There may be another sheet of drawing paper. If necessary, all the papers used must be forwarded with the drawing.

(14) Fill in and sign the following statements.

(Specimen)

Subject for examination in rough working drawing

(read the foregoing general instructions)

A common slide valve with its spindle. Show also an outline section of the parts at the cylinder face. Show the provision for connecting the slide valve to the spindle.

The candidate shall be required to fill up the following and to attach this paper to his drawing.

Statement by the candidate.

The accompanying drawing, made by me this day, without reference to any documents, and without the assistance of any person is intended by me to be sufficient for the new construction of the parts above described to fit the places of similar parts which are to be removed. The construction is similar to what I have been within the ..... steamer ..... but the dimensions may be different.

The diameter of the cylinder is

The stroke of the piston is

The travel of the valve is

The cover at top end of steam side is

The cover at bottom end on steam side is

The load at top is intended to be

The load at bottom is intended to be

3. In Appendix "C" after item (9) the following shall be inserted:—

(10) All dimensions should have lines and arrow heads to indicate distinctly the points between which the dimensions are given.

(11) The candidates should not write cross dimension upon centre lines, or upon longitudinal dimension lines. This is not an order but a recommendation.

(12) The candidate shall not be expected to design anything but to sketch or draw something with which he is expected to be already familiar.

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The cover at top end of steam side is

The cover at bottom end on steam side is

The load at top is intended to be

The load at bottom is intended to be

The inside cover is

The thickness of the face of valve is

The thickness of the body of valve is

The greatest opening for steam will be

That gives an area equal to one

The opening for exhaust when the crank is on the top centre is

That gives an area equal to ..... of the piston

The valve will cut off steam on the top stroke at

The valve will cut off

steam on the down stroke

The candidate may omit this part if he chooses.

The parts fully dimensioned in ink, are

Date ..... This ..... day of ..... 19 .....

Applicant

4. In Appendix 'D' before Question (12) the following shall be inserted.

#### Appendix "D"

Specimen Elementary Questions for the Examination of Engineers for Certificate of Competency.

(1) What parts of an engine are generally made of wrought iron?

(2) What parts of an engine are generally made of cast-iron?

(3) For what parts of an engine is steel sometimes used?

(4) What parts of an engine are generally made of brass or gunmetal?

(5) Where is white metal some times used? On account of what property possessed by it is it adopted? What objection is there to its more general use?

(6) For what parts is Muntz metal sometimes used? Is it malleable?

(7) What difference is there in the composition of cast-iron, of wrought-iron and of steel?

(8) How can cast-iron, wrought iron and steel be distinguished from each other?

(9) What are the different properties of cast-iron of wrought iron and of steel?

(10) What is meant by the terms breaking stress, proof stress, safe working stress?

(11) What is the cohesive strength or breaking stress of good ordinary wrought iron?

By order and in the name of the Governor of Goa.

Capt. A. P. Mascarenhas, Captain of Ports and Ex-Officio Joint Secretary.

Panaji, 6th March, 1998.